

Purpose	•	Validate the effectiveness of the controls through testing.
Key Activities	•	Develop Test Plan
	•	Execute Test Plan
	•	Assess Test Results
Required Templates	•	AART Toolkit





PROCEDURES



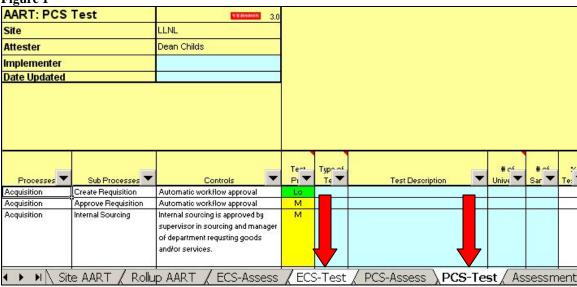
The Evaluating phase has been completed.

The steps for testing all the Process and Entity Controls are identical.

A. Determine the Scope of Testing

1. Open the AART Toolkit and navigate to the Test worksheets: PCS-Test and ECS-Test.

Figure 1¹





The ECS-Test and PCS-Test worksheets were automatically populated by the associated ECS-Assess or PCS-Assess worksheets during the Evaluation Phase based on the table below.

ECS-Test

- *⇒* Area
- ⇒ Sub- Category
- \Rightarrow Controls
- *⇒* Test Priority

PCS-Test

- ⇒ Processes
- ⇒ Sub-Processes

Page 2 of 21

¹ Most screen shots reference the PCS-Assess Worksheet, though the columns are the same for both PCS and ECS-Assess Worksheets







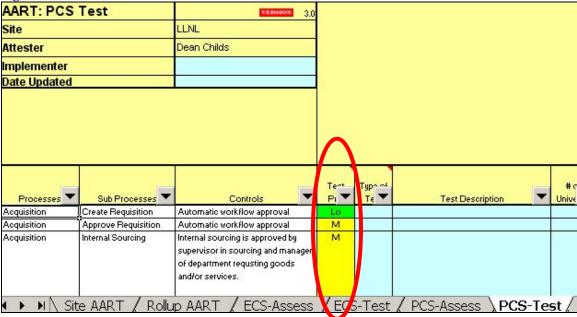
Due to limitations in MS Excel, the automatically populated data may not be totally visible until a cell in the row is accessed.

2. Review the Controls that require testing to determine the scope of testing. In order to accurately assess the scope of testing, review each relevant worksheet.



In the Test worksheet, Controls are identified by a red, yellow or green Test Priority. All Controls that require remediation prior to testing are identified by the "REM" status in the **Test Priority** column.

Figure 2





The **Test Priority** is calculated based on the following criteria:

- ⇒ Automation
- ⇒ Frequency

For example, a High Risk sub-process that is manual and only occurs annually will be rated with a Very High (VH) **Test Priority**.





B. Develop Testing Plan



The proposed Test Priority should only be used as a guide when developing the test plan as other factors may affect the prioritization.

1. Based on a risk based testing approach (see CFO Council Implementation Guide for details), prioritize the testing of Controls.

The **Test Priority** ratings can provide guidance of how to prioritize testing of controls based on the amount of Risk of each subprocess/sub-category.



See section A.2 for details of how the test priority is determined.

- 2. Identify the testing cycle for each Control.
- 3. Determine if any testing has recently been performed that may satisfy the A-123 requirements for selected controls. If acceptable testing has been performed within 12 months of the assurance date (and no significant system, process or control changes have taken place) for specific controls, you may use the preexisting test results to satisfy A-123 test requirements and document that testing as described in the following steps.



Sites/Field Offices/LPSOs may utilize testing performed as part of internal or external reviews and/or audits (e.g. FFMIA, FMFIA, SAS-70, IG/GAO audits). However, these tests must **satisfy the requirements** as defined in the CFO Council Implementation Guide

Sites may not utilize financial statement audits as a basis in determining that controls are operating effectively.

4. Identify and record the most effective **type of test** for each Control.



There are four basic test types that can be used to test entity and process controls (see the CFO Council Implementation Guide for additional information).

- □ Inquiry asking people if certain controls are in place and functioning
- ⇒ **Ins**pection looking at evidence of a given control procedure
- ⇒ Observation observing actual controls in operation
- ⇒ **Re-p**erforming re-performing a given control procedure.

From a standpoint of sufficiency of evidence, Inquiry provides the weakest evidence while Re-performing provides the strongest evidence. In addition a single test may cover more than one sub-process and control.

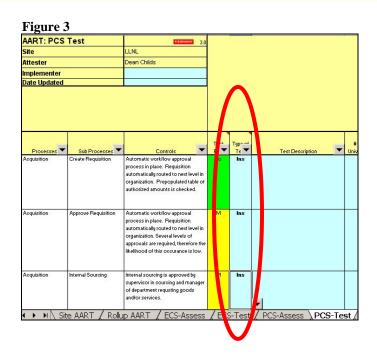




Select the most suitable **Type of Test** based on the sub-category or sub-process requiring testing.



For example, an approval process requiring signatures from authorized approvers may use the **Ins**pection type of test. This can be accomplished by reviewing a sample of approval signatures to ensure that appropriate action was taken.

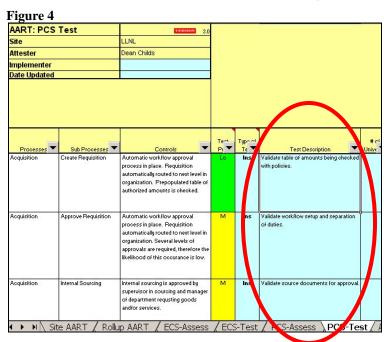






5. Provide a brief **Test Description** based on the **Type of Test** selected.

The Test Description should be a high level summary of how the test will be performed. This should be supported by detailed test plans.





REQUIREMENTS

Detailed testing procedures need to be documented as supporting documentation. Requirements and additional information can be found in the CFO Council Implementation Guide.





6. Record the universe of items, transactions, etc. from which the testing sample will be selected.

Figure 5 AART: PCS Test Site LNL Attester Dean Childs Date Updated Automatic workflow approval process in place. Requisition Validate table of amounts being with policies. automatically routed to next level in organization. Prepopulated table of authorized amounts is checked. equisition Approve Requisition Automatic workflow approval Validate workflow setup and sep 3500 process in place. Requisition of duties. automatically routed to next lev organization. Several levels of approvals are required, therefore th likelihood of this occurance is low. Internal sourcing is approved by supervisor in sourcing and manage of department requsting goods Internal Sourcing 3500 and/or services. ▶ ▶ Site AART / Rollup AART / ECS-Assess / ECS-Test / PCS-Assess \ PCS-Test / Assessment Team / Field Office - Site

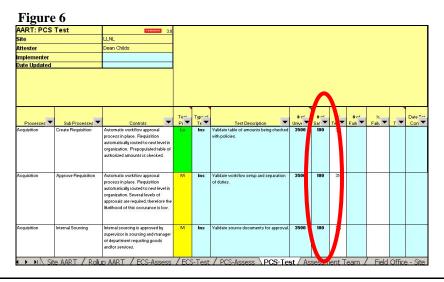


Refer to Financial Audit Manual (FAM) for sampling guidance.

7. Determine the Sample Size and enter the value in the # of Sample column.



A good resource for tools and applications to determine sample sizes and testing procedures may be internal auditing groups.

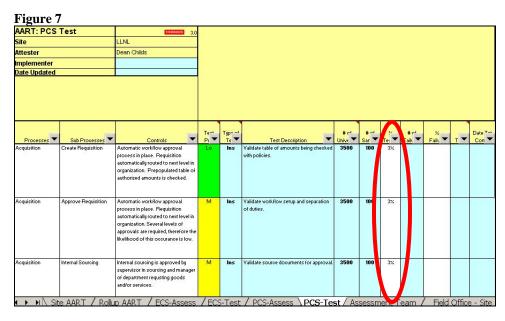


Page 7 of 21



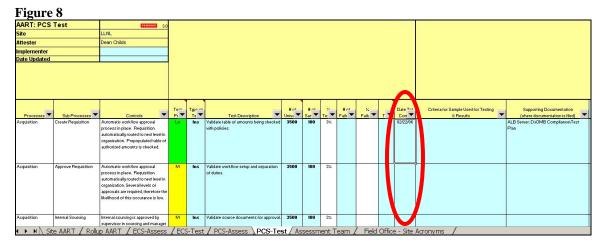


8. The percent of universe will automatically be calculated in the % **Tested** column.



C. Execute Testing Plan

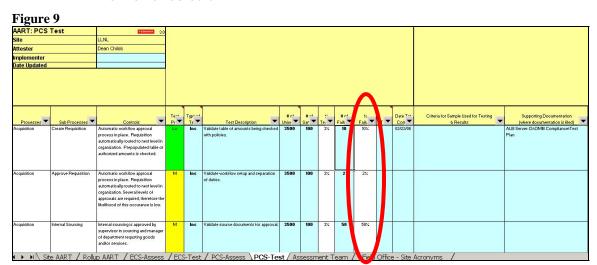
- 1. Complete testing based on the detailed plans.
- 2. Enter the date on which the applicable test was completed in the **Date Test Completed** column of the PCS and ECS Test worksheets.







3. Once the tests are completed, record the number of failures in the # of failures column.



4. The percentage of failure will be automatically calculated in the **% Failure** column.

Retailed LUNL

Affection Dean Childs Implementer Date Updated

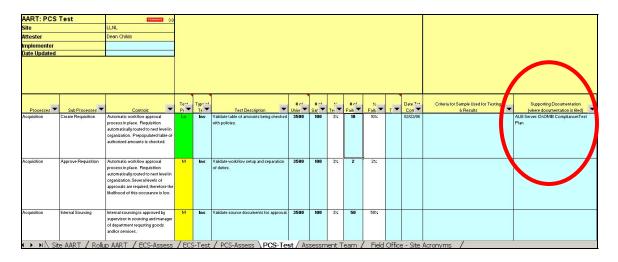
Processed Sub Processed Controls Processed Proc





5. Record the location of the testing plans and supporting documentation in the **Supporting Documentation** column.

Figure 11





REQUIREMENTS

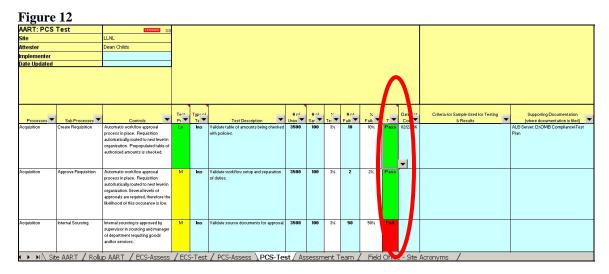
Testing plans, and all supporting work papers and test results should be readily available upon request for independent review and validation.



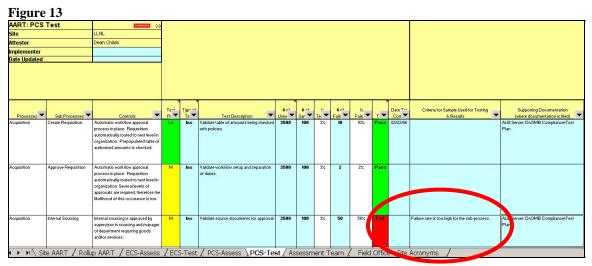


D. Evaluate Test Results

1. Using professional judgment, determine whether the failure rate is acceptable and whether to pass or fail the control effectiveness. Record the results in the **Test** column of the PCS and ECS Test worksheets.



2. Enter the rationale used to determine sample test criteria and results.



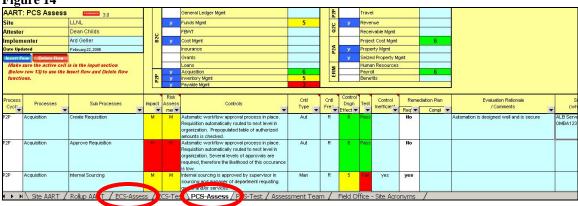




★ E. Re-Evaluate Assessments based on Test Results

1. Return to the Assess worksheets (PCS and ECS) and re-evaluate the summaries based on the test results.

Figure 14

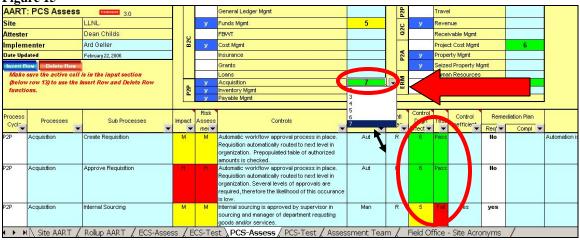






2. For all passing test results change the status of the Assessments to "7-Controls test effective". Using professional judgment, reevaluate the Control Design Effectiveness rating for those controls which failed testing.

Figure 15





The Area/Process Assessment fields have been previously populated in the evaluation phase with the Control Design Effectiveness ratings.

The Assessment ratings will be revised for those Areas/Processes where testing has been completed indicating whether the tested controls operated effectively or failed.





F. Update the Rollup AART



REQUIREMENTS

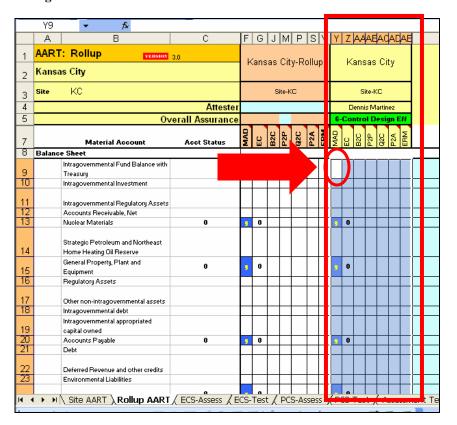
This step must be performed by the Field Office or LPSO Assessment Team lead.

Field Offices and LPSOs have different processes for FY 2006. Starting in FY2007 the rollup process will be the same

FIELD OFFICE ONLY

1. Starting in cell Y9 of the Site AART, copy all of the automatically populated ratings for the accounts and process cycles. (Cells Y9 through AE51)

Figure 16

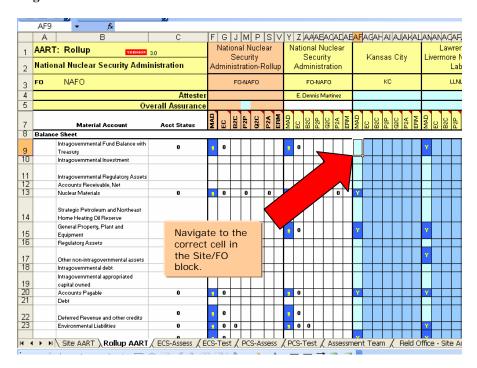






 Navigate to the Rollup tab of the workbook that will consolidate the data for oversight purposes (i.e., the Field Office AART), find the correct predefined Site or Field Office section and select the first cell of the Material Accounts listing (for example, cell AF9 for KC).

Figure 17





SPECIAL ATTENTION REQUIRED

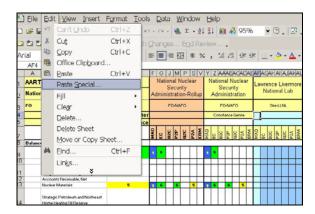
It is critical that the "Paste Special" functionality is used and that just values are pasted into the Rollup AART (see below for details).





3. Paste Special the results as follows: Go to Edit -> Paste Special and select the values radio button. Click OK.

Figure 18





- 4. Repeat steps 1-3 for the Rollup Overall rating
 - a. Copy cells Y5 through AE5 from the Site AART Rollup.
 - b. Navigate to the appropriate cell block for that Site in row 5.
 - c. Go to Edit -> Paste Special and select the values radio button.
 - d. Click OK.

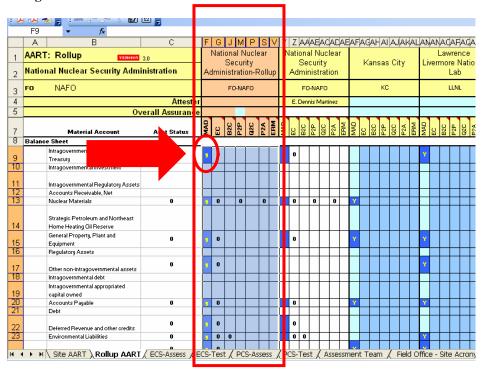




LPSO ONLY

5. Starting in cell F9 of the Field Office AART, copy all the automatically populated ratings for the accounts and process cycles. (Cells F9 through V51)

Figure 19

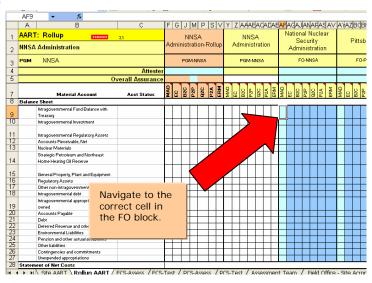






 Navigate to the Rollup tab of the workbook that will consolidate the data for oversight purposes (i.e., the LPSO AART), find the correct predefined Field Office section and select the first cell of the Material Accounts listing (for example, cell AF9 for NNSA).

Figure 20



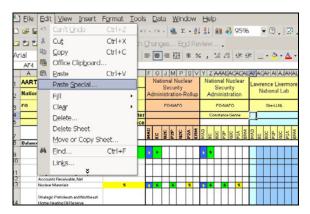


SPECIAL ATTENTION REQUIRED

It is critical that the "Paste Special" functionality is used and that just values are pasted into the Rollup AART (see below for details).

7. Paste Special the results as follows: Go to Edit -> Paste Special and select the values radio button. Click OK.

Figure 21









- 8. Repeat steps 1-3 for the Rollup Overall rating
 - a. Copy cells F5 through V5 from the Site AART Rollup.
 - b. Navigate to the appropriate cell block for that Site in row 5.
 - c. Go to Edit -> Paste Special and select the values radio button.
 - d. Click OK.

G. Update the Implementation Plan

- 1. Document the results of the testing activities performed
- 2. Review Implementation Plan for accuracy
- 3. Make and track necessary changes



Major changes to the Implementation Plan will need to be reported in the Quarterly Report.





REFERENCES

See CFO A-123 Website for suggested reading material:

OMB A-123 Appendix A CFO Council Implementation Guide for OMB Circular A-123 Financial Audit Manual (GAO-01-765G) DOE OMB Circular A-123, Appendix A, Implementation Plan DOE Interim Guidance for OMB Circular A-123 FY 2005 Audit Report FY 2005 Management Letter

ADDITIONAL INFORMATION

Refer to the CFO A-123 website which will be updated with latest materials including tools, FAQs and additional reading material. (http://www.cfo.doe.gov/progliaison/doeA123/index.htm)

DEFINITIONS

Word	Definition
Attester	The person who will be required to affirm the
	authenticity of information for the LPSO.
Cognizant Secretarial	Headquarters Elements that provide significant funding
Office (CSO)	to Field Offices overseen by the LPSOs.
Field Office (FO)	Location where the Site Assessment Team manages the
	A-123 Implementation for its Sites. Only the Field Office
	provides assurance to the LPSO.
Headquarters	Lead Program Secretarial Office or Headquarters
Element	Business Program that is affected by the financial
	reporting requirements of OMB A-123, Appendix A.
Implementer	The person responsible for executing the activities to
	support the Attester's affirmation.
Lead Program	Headquarters Element whose cognizance includes those
Secretarial Office	Field Offices that are affected by the financial reporting
(LPSO)	requirements of OMB A-123, Appendix A. These LPSOs
	provide oversight activities to Field Offices that directly
	impact the accounts determined to be material to the
_	Department's financial statements.
Process	The highest level of sub-processes within a process
	cycle.
Process Cycle	An end-to-end sequence of events consisting of the
	methods and records used to establish, identify,
	assemble, analyze, classify, and record transactions. ²
Site	Unit of a Field Office including the Field Office federal
	activities and its contractors (both integrated and non-
	integrated). Predefined by Headquarters.

_

² Adapted from the CFO Council Implementation Guide





NEXT PHASE

